

**Amendments to the Claims:**

Please replace all prior claims versions and listings with the following:

**Listing of Claims:**

1. **(currently amended)** A method for making an alumina-silica catalyst support comprising:
  - a. providing a homogeneous plasticized batch comprising an alumina-silica powder component in combination with a liquid, an organic binder and an acid of at least 0.25 % by weight of the mixture, wherein the alumina-silica powder component is compounded to yield a composition consisting essentially of 2-25 wt.% silica and 75-98 wt.% alumina;
  - b. extruding the plasticized batch to form a green body;
  - c. drying the green body; and,
  - d. heating the green body to a temperature and for a time to provide an alumina-silica body having a surface area of at least 180 m<sup>2</sup>/g for use as a catalyst support;
  - e. wherein the surface area of the alumina-silica catalyst support is between 186 and 302 m<sup>2</sup>/g.
2. **(previously presented)** The method of claim 1 wherein the alumina-silica powder component is formed by mixing an alumina-source selected from the group consisting of gamma-alumina, boehmite, pseudo-boehmite and mixtures thereof, together with a fused quartz.
3. **(original)** The method of claim 1 wherein the alumina-silica powder component is formed by:
  - a. providing a slurry of an alumina-source and silicon alkoxide, wherein the alumina-source is selected from the group consisting of aluminum oxide, aluminum hydroxide, aluminum oxyhydroxide and mixtures thereof;
  - b. spray drying the slurry;
  - c. heating the spray dried material to a temperature of between 500-700°C for a period of 1-5 hours to form a calcined material.

4. **(original)** The method of claim 3 wherein the acid is added to the slurry to obtain a pH of between 1-5.
5. **(previously presented)** The method of claim 1 wherein the alumina-silica powder component is formed by:
  - a. providing a slurry comprising an alumina-source selected from the group consisting of aluminum oxide, aluminum hydroxide, aluminum oxyhydroxide and mixtures thereof;
  - b. spray drying the slurry to obtain a first particulate material;
  - c. heating the first particulate material to a temperature of between 500-700°C for a period of 1-5 hours to form an alumina-containing calcined material;
  - d. forming a second slurry comprising the alumina-containing calcined material in combination with silicon alkoxide; and,
  - e. spray drying the second slurry.
6. **(original)** The method of claim 5 wherein the acid is added to the slurry to obtain a pH of between 1-5.
7. **(previously presented)** The method of claim 1 wherein the alumina-silica powder component is formed by:
  - a. providing a slurry comprising of an alumina-source selected from the group consisting of aluminum oxide, aluminum hydroxide, aluminum oxyhydroxide and mixtures thereof;
  - b. spray drying the slurry;
  - c. heating the spray dried material to a temperature of between 500-700°C for a period of 1-5 hours to form an alumina-containing calcined material; and,
  - d. adding silicon alkoxide to the alumina-containing calcined material.
8. **(original)** The method of claim 7 wherein the acid is added to the slurry to obtain a pH of between 1-5.
9. **(previously presented)** The method of claim 1 wherein the green body is a honeycomb monolith.

10. (previously presented) The method of claim 1 wherein the alumina-silica catalyst support has a surface area of at least 250 m<sup>2</sup>/g.

11. (amended) The method of claim 1 A method for making an alumina-silica catalyst support comprising:

- a. providing a homogeneous plasticized batch comprising an alumina-silica powder component in combination with a liquid, an organic binder and an acid of at least 0.25 % by weight of the mixture, wherein the alumina-silica powder component is compounded to yield a composition consisting essentially of 2-25 wt.% silica and 75-98 wt.% alumina;
- b. extruding the plasticized batch to form a green body;
- c. drying the green body; and,
- d. heating the green body to a temperature and for a time to provide an alumina-silica body having a surface area of at least 180 m<sup>2</sup>/g for use as a catalyst support and wherein the alumina-silica catalyst support has a median pore diameter of between 133 and 241 Å.

12. cancel

13. (previously presented) The method of claim 1 wherein the step of heating is between 500°C and 1000°C.

14. (amended) The method of claim 1 A method for making an alumina-silica catalyst support comprising:

- a. providing a homogeneous plasticized batch comprising an alumina-silica powder component in combination with a liquid, an organic binder and an acid of at least 0.25 % by weight of the mixture, wherein the alumina-silica powder component is compounded to yield a composition consisting essentially of 2-25 wt.% silica and 75-98 wt.% alumina;
- b. extruding the plasticized batch to form a green body;
- c. drying the green body; and,
- d. heating the green body to a temperature and for a time to provide an alumina-silica body having a surface area of at least 180 m<sup>2</sup>/g for use as a catalyst support

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and wherein alumina-silica catalyst support has a modulus of rupture in four-point bending of between 137 psi and 1618 psi.

15. (**previously presented**) The method of claim 1 further including acetic acid.